

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's	file reference	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.				
PM02010	on No.	ACTION International filing date (da	ay/month/year)	(Earliest) Priority	Date (day/month/year)	
International application No.						
PCT/EP 03/08212		30/06/2003		05/07/2002		
Applicant						
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BAYER CROPSCI	ENCE S.A.					
according to Article  This International Se	18. A copy is being tra earch Report consists	n prepared by this Internation insmitted to the International of a total of7	al Bureau.		nitted to the applicant	
1. Basis of the re	-		ania at a . at c = 11-2 * -	ala af tha interneti-	nal application is the	
		international search was ca ess otherwise indicated und		sis of the internatio	nai application in the	
	intornational coarch w	as carried out on the basis	of a translation of t	he international an	olication furnished to this	
	nternational search whority (Rule 23.1(b)).	as carried out on the basis	or a translation or t	пе птетнавона ар	phoadon farmished to this	
			disclosed in the in	nternational applica	tion, the international search	
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1	•	osequently furnished written		loes not ao bevona	I the disclosure in the	
		s filed has been furnished.				
	statement that the infi hished	ormation recorded in compu	iter readable form i	s identical to the w	ritten sequence listing has been	
2.	rtain claims were fou	nd unsearchable (See Box	· · · · · · · · · · · · · · · · · · ·			
3. X Uni	ity of invention is lac	king (see Box II).				
4. With regard to	the <b>title</b> ,					
X the	text is approved as si	ubmitted by the applicant.				
the	text has been establis	shed by this Authority to rea	d as follows:			
5. With regard to	the abstract,					
		ubmitted by the applicant.				
₩ the	text has been establi		2(b), by this Author mational search re	ity as it appears in port, submit comm	Box III. The applicant may, ents to this Authority.	
6. The figure of th	e <b>drawings</b> to be pub	lished with the abstract is F	igure No.	_		
as	suggested by the app	licant.			None of the figures.	
=		iled to suggest a figure.		_		
☐ be	cause this figure bette	r characterizes the invention	n.			



Internal application No.

PCT/EP 03/08212

Box III	TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)
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Internation plication No PCT/EP 03/08212

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C319/18 C07C C07C319/20 C07C323/60 C07D231/44 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) C07C C07D IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BEILSTEIN Data, WPI Data, PAJ, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ' 1 A. TURPIN, ET AL.: "Préparation et étude Α en effet Faraday de quelques esters et du dinitrile de l'acide acétylene-dicarboxylique ainsi que leurs composés d'addition avec les thiols" COMPTES RENDUS HEBDOMADAIRES DES SEANCES DE L'ACADEMIE DES SCIENCES vol. 256, 1963, pages 1712-1714, XP002260946 GAUTHIER-VILLARS, MONTREUIL, FR page 1712, paragraph 4 Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 03/12/2003 17 November 2003 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Fax: (+31-70) 340-3016

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ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
V.N. KOPRANENKOV, ET AL.: "Phthaloyanines and related compounds. XVI. Synthesis and electronic absortion spectra of amino-, alkoxy-, and alkylthio-substituted porphyrazines" JOURNAL OF GENERAL CHEMISTRY OF THE USSR, vol. 15, no. 4, pt. 1, April 1979 (1979-04), pages 962-967, XP008011376 Consultants Bureau, New York, US page 965, line 17 - line 21	1
A.B. BEELER, ET AL.: "Synthesis of fipronil sulphide, an active metabolite, from the parent insecticide fipronil" TETRAHEDRON LETTERS, vol. 42, no. 32, 6 August 2001 (2001-08-06), pages 5371-5372, XP004254962 Elsevier Science Publishers, Amsterdam, NL ISSN: 0040-4039 the whole document	8
D. HAINZL, ET AL.: "Mechanisms for selective toxicity of fipronil insecticide and its sulphone metabolite and desulphinyl photoproduct" CHEMICAL RESEARCH IN TOXICOLOGY, vol. 11, no. 12, 7 November 1998 (1998-11-07), pages 1529-1535, XP002261004 AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US scheme 2	8
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	alkoxy-, and alkylthio-substituted porphyrazines" JOURNAL OF GENERAL CHEMISTRY OF THE USSR, vol. 15, no. 4, pt. 1, April 1979 (1979-04), pages 962-967, XP008011376 Consultants Bureau, New York, US page 965, line 17 - line 21  A.B. BEELER, ET AL.: "Synthesis of fipronil sulphide, an active metabolite, from the parent insecticide fipronil" TETRAHEDRON LETTERS, vol. 42, no. 32, 6 August 2001 (2001-08-06), pages 5371-5372, XP004254962 Elsevier Science Publishers, Amsterdam, NL ISSN: 0040-4039 the whole document  D. HAINZL, ET AL.: "Mechanisms for selective toxicity of fipronil insecticide and its sulphone metabolite and desulphinyl photoproduct" CHEMICAL RESEARCH IN TOXICOLOGY, vol. 11, no. 12, 7 November 1998 (1998-11-07), pages 1529-1535, XP002261004 AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US scheme 2  EP 0 966 445 B (AVENTIS CROPSCIENCE) 25 July 2001 (2001-07-25) cited in the application

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#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6 (in part), 7, 8-17 (in part), 18

Three-step process for the preparation of 4-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylthiopyrazole starting from dicyanoacetlyene as well as the intermediates 1,2-dicyano-1-trifluoromethylthioethene and 1-(2,6-dichloro-4-trifluoromethylphenylhydrazono)-1,2-dicyano-2-trifluoromethylthioethane

2. claims: 1-6 (in part)

Process for the preparation of 1-alkylthio-1,2-dicyanoethene derivatives

3. claims: 8-17 (in part)

Two-step process for the preparation of 4-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-alkylthiopyrazole derivatives



Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Information patent family members

PCT/E-33/08212

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